

CLAIMS

What is claimed is:

5 1. A method for planning firmware card ports
on DSL multiplexors, comprising the following steps:

 querying an element management system for DSL
multiplexors; and

 for at least one multiplexor identified at the
10 element management system,

 identifying to the multiplexor the
characteristics of a card to be placed in at least one of
the ports on the multiplexor.

15 2. The method of claim 1, wherein the step of
querying an element management system for multiplexors
comprises requesting information from the element
management system identifying multiplexors that are
managed by the element management system.

20 3. The method of claim 1, wherein the step of
querying an element management system for multiplexors
comprises forwarding a TLI to an element management

system.

4. The method of claim 1, wherein the step of identifying to the multiplexor the characteristics of a card to be placed in at least one of the ports of the multiplexor comprises identifying at least one of a card type, a card profile, and a software version.

5. The method of claim 1, further comprising the step of identifying unplanned ports for at least one multiplexor.

6. The method of claim 1, further comprising the step of identifying incorrectly planned ports.

7. The method of claim 1, wherein the step of identifying incorrectly planned ports comprises identifying planned ports that conflict with a predefined planning arrangement.

8. The method of claim 1, further comprising the step of receiving an identification of at least one multiplexor.

9. The method of claim 8, wherein the step of receiving an identification of at least one multiplexor comprises receiving at least one cilli code corresponding to a multiplexor.

10. A computer readable medium having computer executable instructions recorded thereon for performing the method recited in claim 1.

11. A method for planning firmware card ports in a DSL network, comprising the following steps:

retrieving from an element management system an identification of one or more multiplexor devices;

retrieving from one of the multiplexor devices identified by the element management system information identifying the planning status of ports on the multiplexor device; and

forwarding planning information to the multiplexor device.

12. The method of claim 11, wherein the step of retrieving from an element management system an

identification of one or more multiplexor devices comprises requesting information from the element management system identifying multiplexors that are managed by the element management system.

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13. The method of claim 11, wherein the step of retrieving from an element management system an identification of one or more multiplexor devices comprises forwarding a TLI to an element management system.

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14. The method of claim 11, wherein the step of identifying to the multiplexor the characteristics of a card to be placed in at least one of the ports of the multiplexor comprises identifying at least one of a card type, a card profile, and a software version.

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15. The method of claim 11, further comprising the step of identifying unplanned ports on the multiplexor identified by the element management system.

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16. The method of claim 15, wherein the step of identifying unplanned ports comprises processing the

information identifying the planning status of ports on the multiplexor device.

17. The method of claim 11, further
5 comprising the step of identifying incorrectly planned ports on the multiplexor identified by the element management system.

18. The method of claim 17, wherein the step
10 of identifying incorrectly planned ports comprises processing the information identifying the planning status of ports on the multiplexor device.

19. A system for automatically planning
15 firmware card ports in a DSL network, comprising:
a processor for executing computer executable instructions; and

memory for storing computer executable
instructions, wherein said memory has stored therein
20 computer executable instructions for performing the following steps:

querying an element management system for DSL multiplexors; and

for at least one multiplexor identified at the
element management system,

identifying to the multiplexor the
characteristics of a card to be placed in at least one of
5 the ports on the multiplexor.